

1-6. (CANCELED)

7. (NEW) A gear shifting system for idler wheels (3) comprising sliding sleeves (2), which are connected torsion-resistant with a main shaft (1) and can be connected form-locking with an idler wheel (3) to be shifted by means of axial displacement, actuation of the respective sliding sleeve (2) is provided through at least one adjusting unit (4), which selects an actuator such that a shifting actuation of the respective sliding sleeve (2) is possible, and the adjusting unit (4) comprises an electric servo-motor, a pin (5), which actuates the sliding sleeve (2), is provided eccentrically on a motor shaft (6) of the servo-motor as the adjusting unit.

8. (NEW) The gear shifting system according to claim 7, wherein the pin (5) reaches dead centers of a shifting path of the sliding sleeve (2) during a circular motion of the motor shaft (6) and that the sliding sleeve (2) maintains the form-locking connection of the idler wheel (3) to be shifted in the dead centers.

9. (NEW) The gear shifting system according to claim 7, wherein at least one detection device (12) is provided for detecting rotational positions of each motor shaft (6).

10. (NEW) The gear shifting system according to claim 9, wherein the detection device (12) is integrated into the adjusting unit (4).

11. (NEW) The gear shifting system according to claim 7, wherein two adjusting units (4) are provided on each sliding sleeve (2), the adjusting units (4) are arranged offset about the main shaft (1) at an angle of about 180°.

12. (NEW) The gear shifting system according to claim 7, wherein a central control unit (11) is provided for a vehicle-coordinated shifting operation.

13. (NEW) A gear shifting system for idler wheels (3), the shifting system comprising;

a plurality of sliding sleeves (2), the sliding sleeves (2) being torsionally fixed with a main shaft (1) and form fit with an idler wheel (3) to be shifted by means of axial displacement;

at least one adjusting unit (4) in communication with each of the plurality sliding sleeves (2) to actuate each of the plurality of sliding sleeves (2);

an actuator is selected by the at least one adjusting unit (4) such that a shifting actuation of the respective sliding sleeve (2) is possible; and

the adjusting unit (4) comprises an electric servo-motor and a pin (5) which actuates the sliding sleeve (2), the pin (5) is provided eccentrically on a motor shaft (6) of the servo-motor as the adjusting unit (4).